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NATIONAL AERONAUTICS  
AND SPACE ADMINISTRATION  
\*\*\*\*\*  
NASA-08210 (June 2004)  
NASA  
Superseding NASA-08210  
(September 1999)  
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## SECTION 08210

### WOOD DOORS 06/04

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NOTE: Delete, revise, or add to the text in this  
section to cover project requirements. Notes are  
for designer information and will not appear in the  
final project specification.

This broadscope section covers flush, hollow core,  
solid core and fire-rated wood doors.

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#### PART 1 GENERAL

##### 1.1 REFERENCES

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NOTE: The following references should not be  
manually edited except to add new references.  
References not used in the text will automatically  
be deleted from this section of the project  
specification.

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The publications listed below form a part of this section to the extent  
referenced:

WINDOWS AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

NWWDA I.S. 1 (1999) Wood Flush Doors

##### 1.2 SUBMITTALS

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NOTE: Review submittal description (SD) definitions  
in Section 01330 SUBMITTAL PROCEDURES and edit the  
following list to reflect only the submittals  
required for the project. Submittals should be kept  
to the minimum required for adequate quality  
control. Include a columnar list of appropriate  
products and tests beneath each submittal  
description.

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The following shall be submitted in accordance with Section 01330 SUBMITTAL  
PROCEDURES in sufficient detail to show full compliance with the  
specification:

#### SD-02 Shop Drawings

Fabrication drawings shall show locations and dimensions for the following items:

- Hollow Core Doors
- Solid Core Doors
- Fire-Rated Labeled Doors

#### SD-02 Shop Drawings

Installation drawings shall be submitted for the following items:

- Hollow Core Doors
- Solid Core Doors
- Fire-Rated Labeled Doors
- Facing
- Cutout Openings
- Door Louvers
- Finish Hardware

#### SD-03 Product Data

Manufacturer's catalog data shall be submitted for the following items:

- Hollow Core Doors
- Solid Core Doors
- Fire Rated Labeled Doors
- Facing
- Cutout Openings
- Door Louvers

#### SD-07 Certificates

Certificates shall be submitted for the following items showing conformance with referenced standards contained in this section.

- Hollow Core Doors
- Solid Core Doors
- Fire Rated Labeled Doors
- Facing

### PART 2 PRODUCTS

#### 2.1 GENERAL

Doors shall comply with the requirements of NWWDA I.S. 1, and as specified.

##### 2.1.1 Hollow Core Doors

Hollow core wood flush doors shall be 7-ply, ladder, mesh or cellular core.

##### 2.1.2 Solid Core Doors

Solid core wood flush doors shall be 5-ply, glue block core, or 7-ply MAT-formed particle board core.

### 2.1.3 Fire-Rated Labeled Doors

Fire-rated doors and frames shall be the types that have been investigated and fire tested as a fire door assembly, complete with the type of fire-door hardware to be used in the work. Fire-rated doors and frames shall be labeled. The labels shall indicate the applicable fire rating of the door construction provided.

### 2.2 FACING

Facings indicated as "paint finish" shall be sound grade, conforming to NWWDA I.S. 1.

Facings indicated as stain-transparent finish shall be premium grade conforming to NWWDA I.S. 1. Face veneer and veneer cut shall be:

Natural Birch, Plain Slice

Natural Maple, Plain Slice

Select Red Birch, Plain Slice

Select White Birch, Plain Slice

Red Oak, Plain Slice

Cherry, Plain Slice

Walnut, Plain Slice

### 2.3 CUTOUT OPENINGS

Cutout openings for lights and louvers shall be made in accordance with NWWDA I.S. 1.

### 2.4 DOOR LOUVERS

Louvers and frames shall be solid hardwood matching the door face veneer species and finish. Design of louver, frame, and molding shall be as indicated on the construction drawings.

Louvers and frames shall be inverted 60-degree V-blade, enamel-finished steel, approximately 1 inch 25 millimeter wide, stationary, sightproof. Each blade shall be spaced at not more than two per inch 25 millimeter and formed from No. 20 1.0 millimeter U.S. Standard gage steel in baked enamel finish, color as selected. Louver retainer stops shall be steel or hardwood, matching the color and finish of the door.

### 2.5 BEVELING AND FITTING

Beveling and standard prefitting of wood doors shall be in accordance with NWWDA I.S. 1.

### 2.6 EDGE SEALING

Top and bottom edges of doors and surfaces of all cutouts shall be factory-sealed against moisture penetration.

Edges and cutouts of exterior out-swinging wood doors shall be factory

sealed to preclude moisture penetration. Top and bottom rails and sills of cutouts shall receive factory-installed aluminum flashing.

## 2.7 DOOR FINISHING

Doors to receive a job-site-applied finish shall be clean and sanded smooth to remove handling and storage marks, raised grain, minor surface marks, and abrasions and shall be left ready for finishing as specified in Section 09920 ARCHITECTURAL PAINTING.

## PART 3 EXECUTION

### 3.1 GENERAL

Doors shall be accurately installed in framed openings and shall maintain the specified clearances and tolerances.

Finish Hardware sets shall be installed in accordance with the approved hardware schedule and the approved drawings. Hardware shall be temporarily removed as required for job-site finishing.

After finish painting has been completed, hardware and accessories shall be reinstalled and final adjustments made for proper door operation.

### 3.2 ACCEPTANCE PROVISIONS

Doors will be checked by the Contracting Officer for warp, twist, delamination, and manufacturing and installation defects. Doors exhibiting defects and doors outside the tolerances listed in NWWDA I.S. 1 shall be removed and replaced with new doors.

-- End of Section --